

Read Me First

hp StorageWorks Enterprise Virtual Array 3000

Product Version: 3.014

About This Document

This document provides important information that you will need prior to installing, initializing, and operating the HP StorageWorks Enterprise Virtual Array 3000 storage system. This software kit contains VCS v3.014. This version is a patch release based on VCS v3.010 and is subject to the same support requirements. The documents needed to install and operate the HP StorageWorks Enterprise Virtual Array Version 3.014 are listed in this document. The documents included with this release reference VCS v3.010 and are fully applicable to this release. The VCS V3.014 Release Notes document will detail the changes included in VCS v3.014.



How to get help with installation

An HP authorized service provider will assist with the installation of the hardware and software components that make up the HP StorageWorks Enterprise Virtual Array 3000. HP highly recommends that you do not attempt to install or set up the storage system without an HP authorized service provider.

In North America, call HP technical support at 1-800-354-9000. This service is available 24 hours a day, 7 days a week.

Outside North America, call HP technical support at the nearest location.

Telephone numbers for worldwide technical support are listed on the HP website:
<http://www.hp.com/support>

For continuous quality improvement, calls may be recorded or monitored.

Enterprise Virtual Array 3000 documentation

A complete library of Enterprise Virtual Array 3000 technical documentation is available to assist you in the installation and operation of the storage system.

Table 1 identifies the various sources of information and where they can be found. A description of each item follows the table.

Most of the documents listed can be accessed on the following website:

<http://www.hp.com/go/eva3000>

Note: Refer to *HP StorageWorks Enterprise Virtual Array 3000 Release Notes* or any last-minute information before installing and operating your storage system.

Table 1: HP StorageWorks Enterprise Virtual Array 3000 documentation

Document	Location
Enterprise Virtual Array 3000 Release Notes	On the Web: Click technical documentation .
Enterprise Virtual Array 3000 User Guide	Included with the Enterprise Virtual Array 3000. On the Web: Click technical documentation .
Enterprise Virtual Array 3000 Quick Specs	On the Web: Click specifications & warranty .
Enterprise Virtual Array Updating Product Software Instructions	On the Web: Click technical documentation .
Enterprise Virtual Array World Wide Name Label sheet	Included with the Enterprise Virtual Array 3000.
System Software for Enterprise Virtual Array 3000 Installation Instructions	On the Web: Click technical documentation .
Download: http://www.hp.com/go/eva3000	

Enterprise Virtual Array 3000 Release Notes

The *HP StorageWorks Enterprise Virtual Array 3000 Release Notes* includes topics not covered in other documents, and support information. Because of the important nature of the information, the Release Notes should be read thoroughly before installing the storage system.

Enterprise Virtual Array 3000 User Guide

The *HP StorageWorks Enterprise Virtual Array 3000 User Guide* contains information on operating the storage system. It should serve as your first source of information for all aspects of storage system operation.

Enterprise Virtual Array 3000 Quick Specs

The *HP StorageWorks Enterprise Virtual Array 3000 Quick Specs* provides key product features, support, warranty, and requirement information not in other documentation.

Enterprise Virtual Array Updating Product Software Instructions

The *HP StorageWorks Enterprise Virtual Array Updating Product Software Instructions* contains detailed instructions for upgrading Storage Management Appliance software, Command View EVA software, and the storage system software (which includes VCS).

Enterprise Virtual Array 3000 License Instructions

The *HP StorageWorks Enterprise Virtual Array 3000 License Instructions* summarizes the licenses available for Enterprise Virtual Array 3000. The document also outlines instructions for acquiring and implementing licenses.

Enterprise Virtual Array 3000 World Wide Name Label Sheet

The *HP StorageWorks Enterprise Virtual Array 3000 World Wide Name Label* sheet, which ships with the storage system, contains three adhesive labels identifying the storage system World Wide Name (WWN). Two of the labels are affixed to the storage system cabinet during installation. The WWN is the 16-digit number required to initialize the storage system.

For more information on the World Wide Name Label, see the *HP StorageWorks Enterprise Virtual Array 3000 License Instructions* and the *HP StorageWorks Enterprise Virtual Array 3000 User Guide*.

VCS License Key Retrieval Instruction Sheet

The *HP StorageWorks VCS License Key Retrieval Instruction Sheet* is included in the HP StorageWorks VCS v2.0 for HSV100 software kit, and the HP StorageWorks Business Copy EVA kit. It is a licensing document that provides the Authorization ID which, combined with the WWN, allows you to retrieve the license key. This document also provides instructions on how to obtain a license key at the HP License Key Fulfillment website.

Note: It is important that you complete the license key retrieval process prior to beginning the installation process for Enterprise Virtual Array or Command View EVA software. It may take up to 48 hours to receive the license key after your request is submitted.

System Software for Enterprise Virtual Array 3000 Installation Instructions

The *HP StorageWorks System Software for Enterprise Virtual Array 3000 Installation Instructions* provides information for installing the Enterprise Virtual Array 3000 system software.

Software requirements

The Enterprise Virtual Array 3000 requires the following software components. For more information on the storage system software, see the following website:

<http://h18006.www1.hp.com/storage/evasoftware.html>

Storage Management Appliance software

The following software must be installed on the HP OpenView Storage Management Appliance that will be used to manage the Enterprise Virtual Array 3000 v3.0. This software is required for managing any storage system running VCS v3.010.

- HP OpenView Storage Management Appliance software v2.1
If the appliance software must be upgraded, it will be necessary to order the free Storage Management Appliance software v2.1 update CD from the following website:
<http://h18000.www1.hp.com/products/sanworks/softwaredrivers/managementappliance/index.html>
- HP StorageWorks Command View EVA v3.1
The storage system will not operate with earlier versions of Command View EVA.

Note: When adding an Enterprise Virtual Array 3000 to a SAN that includes EVA products managed using HSV Element Manager, Command View EVA will replace HSV Element Manager. Command View EVA is used to manage both the EVA3000 and EVA products that use HSV110 controllers.

Storage system software

The HP System Software for Enterprise Virtual Array 3000 v3.014 must be installed on the Enterprise Virtual Array 3000. This software is preinstalled on each storage system. It should not be necessary to reinstall it.

VCS 3.014 code can be downloaded from the following web site:
<http://h18006.www1.hp.com/products/sanworks/softwaredrivers/vcs/index.html>

Note: For first time users, the Management Appliance Software v2.0 SP2 is preinstalled on the Management Appliance and System Software for EVA3000 v2.10 (VCS v2.003) is preinstalled on the Enterprise Virtual Array 3000. A copy of the system software is included in the VCS V2.0 for HSV100 software kit should it be necessary to reinstall the software.

Software installation

If the required versions of software are not installed, they must be installed in the following order.

1. HP OpenView Storage Management Appliance Software v2.1. Instructions for installing the Storage Management Appliance software are included with the software.
2. HP StorageWorks Command View EVA v3.1. Command View EVA is included with HP OpenView Storage Operations Manager v1.0 for EVA. Instructions for installing Command View EVA are included with the software.
3. HP System Software for Enterprise Virtual Array 3000 v3.010. This software is preinstalled on each Enterprise Virtual Array 3000. It should not be necessary to reinstall it. If it is necessary to reinstall the system software, it is included in the VCS Media Kit v3.0 for Dual HSV100 Controllers.

Associated documentation

In addition to the documentation listed in [Table 1](#), the following documentation will be useful when installing and operating the storage system.

Table 2: HP StorageWorks Command View EVA Documentation

Document Title	Part Number
HP StorageWorks Command View EVA Getting Started Guide	AA-RQZBE-TE
HP StorageWorks Command View EVA Release Notes	AA-RT6YE-TE
HP StorageWorks Storage System Scripting Utility	AA-RU5HB-TE
HP OpenView Storage Foundation Installation Instructions	T2538-88001
HP OpenView Storage Foundation Read Me First	T2538-88000
Download: http://h18006.www1.hp.com/products/sanworks/managementappliance/documentation.html	

Table 3: HP OpenView Storage Management Appliance Documentation

Document Title	Part Number
HP OpenView Storage Management Appliance Software Customer Letter	AV-RTY4B-TE
HP OpenView Storage Management Appliance Software Update Installation Instructions	AV-RNE9K-TE
HP OpenView Storage Management Appliance Software Release Notes	AA-RNEAL-TE
HP OpenView Storage Management Appliance Software User Guide	AA-RSOAD-TE
Download: http://h18006.www1.hp.com/products/sanworks/managementappliance/documentation.html	

Note: VCS 3.014 requires v3.0c of the Operating System Kits. The Operating System Kits and the associated documentation listed in [Table 4](#) are distributed from the following web site:

<http://www.hp.com/storage/evaplatformkit>

Table 4: Operating System Kit Documentation

Document Title	Part Number
HP StorageWorks HP-UX Kit v3.0b for Enterprise Virtual Array Installation and Configuration Guide	AA-RUHKB-TE
HP StorageWorks HP-UX Kit v3.0d for Enterprise Virtual Array Release Notes	AV-RUHND-TE
HP StorageWorks IBM AIX Kit v3.0b for Enterprise Virtual Array Installation and Configuration Guide	AA-RUHAB-TE
HP StorageWorks IBM AIX Kit v3.0d for Enterprise Virtual Array Release Notes	AV-RUHDD-TE
HP StorageWorks OpenVMS Kit v3.0b for Enterprise Virtual Array Installation and Configuration Guide	AA-RUGUB-TE
HP StorageWorks OpenVMS Kit v3.0d for Enterprise Virtual Array Release Notes	AV-RUGXD-TE
Storage System Scripting Utility v2.0 for Enterprise Virtual Array Reference Guide	AA-RPK7B-TE
HP StorageWorks Sun Solaris Kit v3.0b for Enterprise Virtual Array Installation and Configuration Guide	AA-RUH4B-TE
HP StorageWorks Sun Solaris Kit v3.0d for Enterprise Virtual Array Release Notes	AV-RUH7D-TE
HP StorageWorks Tru64 Kit v3.0b for Enterprise Virtual Array Installation and Configuration Guide	AA-RUGPB-TE
HP StorageWorks Tru64 Kit v3.0c for Enterprise Virtual Array Release Notes	AV-RUGSC-TE
HP StorageWorks Windows ¹ Kit v3.0b for Enterprise Virtual Array Installation and Configuration Guide	AA-RUGZB-TE
HP StorageWorks Windows Kit v3.0c for Enterprise Virtual Array Release Notes	AV-RUH2C-TE
HP StorageWorks Linux Kit v3.0c for Enterprise Virtual Array Installation and Configuration Guide	AA-RUHVC-TE
HP StorageWorks Linux Kit v3.0d for Enterprise Virtual Array Release Notes	AV-RUHYD-TE

Table 4: Operating System Kit Documentation (Continued)

Document Title	Part Number
HP StorageWorks Novel NetWare Kit v3.0c for Enterprise Virtual Array Installation and Configuration Guide	AA-RUHQC-TE
HP StorageWorks Novel NetWare Kit v3.0d for Enterprise Virtual Array Release Notes	AV-RUHTD-TE
Download: http://www.hp.com/go/eva3000 (Select technical documentation)	

1. Windows® is a U.S. registered trademark of Microsoft Corporation.

Storage Management Initiative Specification (SMI-S)

Table 5: Storage Management Initiative Specification Documents

Document Title	Part Number
HP StorageWorks SMI-S Developer's Guide v1.0	AA-RUQEA-TE
HP StorageWorks SMI-S EVA Installation Instructions v1.03	AA-RUQFA-TE
HP StorageWorks SMI-S EMA Installation Instructions v1.01	AA-RUQGA-TE
HP StorageWorks SMI-S VA Installation Instructions v1.02.02	AA-RUQJA-TE
HP StorageWorks SMI-S XP Installation Instructions v1.03	AA-RUQHA-TE
HP StorageWorks SMI-S EVA Release Notes v1.03	AA-RUQKA-TE
HP StorageWorks SMI-S EMA Release Notes v1.01	AA-RUQLA-TE
HP StorageWorks SMI-S XP Release Notes v1.03	AA-RUQNA-TE
HP StorageWorks SMI-S VA Release Notes v1.02.02	AA-RUQMA-TE
Download: http://h18006.www1.hp.com/products/sanworks/managementappliance/documentation.html	